

# CLINICAL NEWS CONGRESS

AMERICAN COLLEGE OF SURGEONS

Founded by Surgeons of the United States and Canada, 1913

SAN FRANCISCO, THURSDAY, OCTOBER 13, 1966

## Grafting of Skin Called Most Important Advance In Treatment of Burns

Skin grafting, a combined American-English development, was called "the most important step so far in the advancement of burn treatment" by an international authority.

He is Tord Skoog, Uppsala, Sweden, who presented the Scudder Oration on Trauma in War Memorial Auditorium Tuesday.

"We are forever indebted to some of the greatest men in reconstructive surgery for pioneering and teaching this principle," he said. "I am referring to Vilray Blair and Barrett Brown from this country, to Sir Harold Gillies and Sir Archibald McIndoe from England."

(Vilray Papin Blair, Sr., St. Louis, was A.C.S. Founder who died in 1955. James Barrett Brown, also of St. Louis, is a former A.C.S. vice president, 1959-60. Sir Harold and Sir Archibald, both deceased, were Honorary F.A.C.S.)

"Like no other injury, the burn represents a graded trauma affecting a single organ of the body, an organ serving many functions essential to life. The systemic effects in severe

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## Gurd, Dunlop and Meacham Elected to Board of Regents

Fraser N. Gurd, Montreal, George R. Dunlop, Worcester, Mass., and William F. Meacham, Nashville, Tenn., were yesterday elected to the Board of Regents in action taken by the Board of Governors at its adjourned meeting.

Paul C. Samson, Oakland, Harold G. Scheie, Philadelphia, and Claude E. Welch, Boston, were re-elected to the Board of Regents.

George G. Finney, Baltimore, was re-elected chairman of the Governors; E. Lee Strohl, Chicago, and Charles W. McLaughlin, Jr., Omaha, as vice chairman and secretary, respectively.

George W. Morse, Pensacola, Fla., was re-elected to the executive committee. Robert B. Brown, Washington, and Norman F. Miller, Florence, Wis., continue as executive committee members.

## Four-Way Operation to Save Sick Heart From Attacks Used by Canadian Surgeon

To a Canadian surgeon, coronary heart disease is a diffuse and dangerous affliction that requires total action.

"We don't wait for the heart muscle to die," he said. "It's fundamental."

Its treatment has to be more than the unplugging of one of these arteries of the heart at a time. What has to be accomplished, says Arthur Vineberg, Montreal, is "total revascularization of the heart."

The question has been: how do you provide a new blood supply to a heart, the blood vessels of which are choked by internal accumulations or "rust?"

At a postgraduate session yesterday in the

Mark Hopkins Hotel, the tall and distinguished surgeon explained.

The problem, he stated, is certainly not new and his approach to its solution goes back to 1945. He began to think then that one way to get more blood to the starved heart is to divert to it a main artery that is nearby, and can be spared.

Often the left ventricle, the powerful lower chamber of the heart that drives blood to the whole body, is starved. So he decided to try diverting the left mammary artery. "This is the artery that feeds us when we are babies," he said, since it provides nutrients to the lactating breast of new mothers. So, why not use this rich source of blood to feed the starved hearts of middle-aged men?

Dr. Vineberg's group at Royal Victoria Hospital tried it in dogs and it worked. Five years later, in 1950, he tried it in men and it worked. In fact, he explained, it "has proved to be a basic operation for relief of myocardial ischemia."

Then he found that a starved heart needs more than a nearby artery. It also needs new pathways of its own to carry the blood around the muscle that needs it. So he began stripping away the thin "skin" of the heart in the valleys between the ridges of coronary arteries. The purpose of this epicardiectomy was to stimulate the development of tiny collateral blood vessels through which blood could seep to feed the left ventricle.

This worked, but not as well as he would have liked. So, Dr. Vineberg moved on to step three. This is the cutting away of areas of the omentum and transplanting these patches onto the raw areas of the heart created by the epicardiectomy.

Dr. Vineberg explained more about the omentum at a press conference which he attended before lecturing his postgraduate class. "This is the most primitive tissue in the body," he explained. "It forms a curtain of blood vessels, lymph ducts, and fat over the intestines and serves as the policeman of the abdominal cavity."

Dr. Vineberg takes his patches of omentum through a small incision he makes in the patient's diaphragm. Then he applies them to the stripped heart. The omental tissue immediately starts growing on the heart's surface and sends its tiny blood vessels into the coronary arteries and into the transplanted mammary artery. In

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## THE PRESIDENTS



Walter C. MacKenzie (l), who will be inaugurated president tonight at the Convocation, is seen here with President Howard A. Patterson, who will preside at the ceremony at 8:30 in the Arena at the Civic Auditorium.

The most colorful pageant of the week—the Convocation—will take place tonight at 8:30 in the Main Arena of the Civic Auditorium.

During the spectacle, a record 1,356 surgeons (page 5) will become Fellows of the American College of Surgeons. Fellowship will be conferred by outgoing President Howard A. Patterson, New York. Following this, honorary fellowships will be conferred on three noted foreign surgeons.

After the new officers are installed, incoming president Walter C. MacKenzie, Edmonton, will address the assembly. His subject is, "Our Destiny Is to Build."

Honorarys are John Loewenthal, Sydney Australia; Tord Skoog, Uppsala; and Norman C. Tanner, London, Eng.

Registration for this Clinical Congress is a record. The figures, as of noon Wednesday:

Doctors .....	9,473
Total .....	14,600



## Dr. Peyton Ends 9-Year Service

Robert E. Peyton, assistant director of the College's Department of Assembly, is a doubly happy man this week.



Dr. Peyton

First, attendance at the 52nd Clinical Congress has set a new record for a College Congress, and I'm delighted," he said.

Second, Dr. Peyton retires at the conclusion of this Congress after nine years of service to the College.

Since joining the staff, Doctor Peyton has been staff representative with the program committee and program representatives for the last nine Clinical Congresses.

"I plan an active 'second' retirement," said Dr. Peyton when he was asked about his plans for the future.

His "first" retirement came after 29 years in the U. S. Army. (He retired with the grade of colonel).

During World War II, Dr. Peyton was chief of plans and operations for the Chief Surgeon of the European Theater of Operations.

Then he served as surgeon, 7th Army, in Germany, and the 5th Army, in the U.S.

When he retired the first time, Dr. Peyton was president of the U. S. Army Medical Service Board (a special group to study problems assigned by the Surgeon General).

A graduate of the University of Virginia Medical School, Dr. Peyton resides in Wilmette, Ill.

## Books on Sale

Copies of the lecture outlines of two Postgraduate Courses, Pre- and Postoperative Care, and Adjunctive Measures in Cancer Surgery, will go on sale this morning (Thursday) at a special desk in Brooks Hall, Civic Auditorium.

The books, which contain the abstracts of the Postgraduate Course lectures, may be purchased for \$2.50 each. Previously the books have been for sale at the meeting rooms of the two courses.

Copies of the *Surgical Forum*, Vol. XVII, also may be purchased at the same desk for \$3 each. The pocketbook-size volume contains the papers of participants in the Forum on Fundamental Surgical Problems.

### Jefferson

Reception for Jefferson alumni is tonight (Thursday) from 6 to 8. Place: Golden Empire Room, the Hopkins.

### Thursday's Ciné Clinics

Arena, Civic Auditorium  
8:30 a.m.

W. Emory Burnett, Philadelphia, *Presiding*  
Femoral Popliteal Reconstruction  
Ralph A. Deterling, Jr., Boston  
Silver Nitrate Wet Treatment of Burns  
Carl A. Moyer, Houghton, Michigan  
Control of Burn Wound Sepsis  
John A. Moncrief, Fort Sam Houston  
Skin Grafting Techniques  
Herbert Conway, New York  
Evolution of Biliary Tract Surgery  
Frank Glenn, New York  
Charles K. McSherry, New York  
Pancreatic Pseudocyst  
William R. Sandusky, Charlottesville  
Extended Radical Mastectomy  
Jerome A. Urban, New York

## Dr. Estrada Los Angeles' Medical Woman of Year

Isabel V. Estrada, F.A.C.S., Whittier, Calif., was recently named Medical Woman of the Year by the Women's Div., Los Angeles



Dr. Estrada

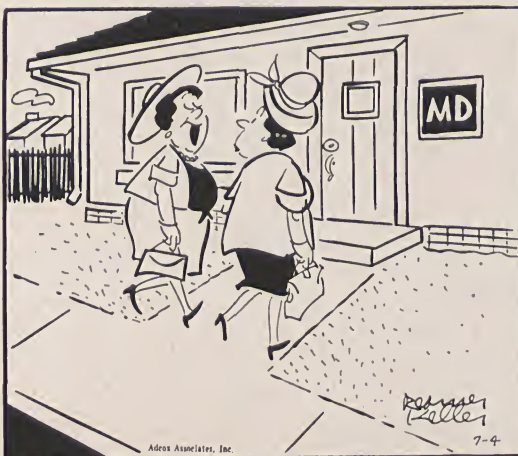
County Medical Assn. Puerto Rico born Dr. Estrada is a gynecologist and obstetrician. She was graduated from Marquette University Medical School. Referring to the award, Dr. Estrada says:

"I feel that being selected from a field of so many outstanding and capable women is

something very beautiful. I feel indebted to California for all it has given me."

The doctor, who is not married, is especially indebted, she says, to her adopted state for permitting her to adopt a child. He is Kenneth Wayne, aged 2.

Dr. Estrada is a member of the American College of Obstetricians and Gynecologists.



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## National Safety President Talks

The top safety man in the United States will give the Martin Memorial Lecture this afternoon at 3:15 in the Main Arena at the Civic Auditorium.

He is Howard Pyle, president of the National Safety Council and former governor of Arizona. A gifted speaker, Gov. Pyle's subject will be "Safety-Preventive Medicine."

Gov. Pyle has headed the N.S.C. since 1959, following a 34-year career in public service and communications.

Twenty-five of those years were spent as a radio correspondent and broadcasting executive in Phoenix, Ariz. During these years he covered the Pacific combat zones of World War II, including the Japanese surrender aboard the battleship Missouri. He also covered the World Security Conference in San Francisco.

This afternoon's lecturer was elected governor of Arizona in 1951, and was re-elected to a second term in 1953. He was twice chairman of the Western Governors Conference.

In 1955 Gov. Pyle was named deputy assistant to the President of the United States for Federal-State Relations, the first to have this responsibility. Among his White House duties was working with the President's Committee for Traffic Safety. This, coupled with his previous gubernatorial interest in safety, gave him great understanding of and concern for the nation's accident prevention problems.

The lectureship was established in 1946 in honor of Franklin H. Martin, Chicago.

## Nauseated Mexican Boy Stars on Today's TV

A 15-year-old Mexican boy who has suffered all his life from episodes of nausea, vomiting and abdominal pain will be Walter B. Gaisford's patient on television at 10 a.m. in Polk Hall. (This is a change in programming.) X-ray shows the boy has malrotation.

At 2:00 p.m., a 70-year-old woman who for 2 or 3 years has had trouble swallowing will be James B. D. Mark's patient on the second Thursday telecast beamed from Palo Alto-Stanford Hospital. About 12 years ago her gallbladder was removed. Sixteen months ago she underwent an operation for stones in the common duct.

Long use of nasogastric tube was occasioned by the second of the woman's operations. Dysphagia and substernal burning have been worse since use of the tube.

Dr. Mark's patient has x-ray evidence of hiatal hernia and a narrowed esophagus.

Philip Rowland Allison, Oxford, Eng., a panelist at the afternoon surgery, has, perhaps more than anyone else, contributed to the successful treatment of hiatal hernia, states Harris B. Shumacker, Jr., A.C.S. TV chairman. The Englishman is Nuffield professor of surgery at Oxford.



## Science Writers Told: Use Skill Responsibly

"Better no story at all than one which bores the reader or frustrates him."

"The reader has to know why it's important and what it means to him."

These were remarks made Wednesday by two San Francisco newspaper editors to a luncheon sponsored by the National Association of Science Writers. Present were most of the reporters covering this Congress for public media of communication.

The first speaker, Thomas Eastham, executive editor of the *San Francisco Examiner*, made the first remark above. He also said that science writers are being selected by newspapers with greater care than ever before, mainly because science has become important news.

"Most papers," said Mr. Eastham, "are printing gobs of science news—sometimes even more than is warranted." In fact, he said, "considering how backward newspapers are in other things, I think we're doing very well in science writing."

He said science is no longer the rarified field of a specialized few. On the other hand, science news should not be written for only those readers who are interested in science and engineering. "Despite what writers think, most editors are not stupid," said Mr. Eastham. "They don't reject stories because they don't like them, but because they feel they are not of interest to the public, are too windy, or too hard to explain."

His opposite, who made the second comment at the beginning of this article, Gordon Pates, Managing Editor of the *San Francisco Chronicle*, was second speaker at the luncheon.

He told the writers, "I see you people occupying the function of translating the world of science to me and the world I represent as a layman."

"I don't know what you're saying unless you explain it to me in your writings," he said. The science writer's output, he added, can provide him some comfort in this bewildering world of proliferating and threatening scientific marvels.

He said science writers must team up with their editors to evaluate science stories which are presented to them by public relations outlets, wire news services, etc. He cited three specific instances in which his newspaper's science writer, David A. Perlman, tracked

## Anti-Lymph Serum Prolongs Kidney Transplants in Denver Animals

Anti-lymphocyte serum prepared from horses is useful in prolonging the life of kidney transplants in dogs, a group of investigators from the University of Colorado Medical School and the Denver Veterans Administration Hospital said here Wednesday.

The treatment reduced the proportion in the blood of lymphocytes, white blood cells, which are involved in the rejection phenomenon. The serum contains antibodies to dog lymphocytes.

The report was presented by Ralph T. Huntley, Paul D. Taylor, Yoji Iwasaki, Thomas L. Marchioro, H. Jeejeebhoy, Ken A. Porter, and Thomas E. Starzl.

A group from Harvard Medical School and Massachusetts General Hospital, Boston, also found prolonged survival of kidney grafts in dogs treated with the serum.

Presenting their report were William M. Abbott, H. Biemann Otherson, Anthony P. Monaco, Richard Lee Simmons, Mary L. Wood, and Paul S. Russell.



Margaret Sloan, M.D., Bethesda, Md., visits at Cancer Commission breakfast Tuesday with (l) John W. Cline, San Francisco, chairman, and (r) Harry W. Southwick, Chicago. Dr. Sloan is chief, Development and Assistance Branch, Div. of Regional Medical Programs, N.I.H.

down sources of wire stories and found them to be deficient.

One involved the first moon probe attempt, which simple calculations proved could not possibly make a lunar collision. The *Chronicle* pointed this out well in advance of the government's announcement that the rocket would not hit as had been initially announced.

The second instance was a wire service report out of Moscow proclaiming the discovery of a new planet by a Russian astronomer. Either this was a major story or a phony, said Mr. Pates. "It surely wasn't worth just seven paragraphs." Mr. Perlman queried all the way to Moscow, and finally, to the astronomer at his observatory; his answer was that he had discovered no such thing.

In the third example, Mr. Pates and Mr. Perlman played down a surgical story "already covered too heavily."

Summing up, Mr. Pates said, "we don't want to practice medicine without a license. We have to report with clarity and interest—only next to responsibility."

Several new techniques for depressing the rejection phenomenon and prolonging the function of transplanted tissue were presented Wednesday.

A group from the Medical College of Virginia reported that when the blood is shunted through a source of radioactive strontium, the irradiation produced a drop in lymphocytes, the key element in the resistance to tissue.

James S. Wolf said the dogs were fitted with a plaster shoulder cast which enabled them to move around while their blood flowed through the strontium shunt for as long as two weeks.

In application to patients, Dr. Wolf said, the most striking response occurred in a patient who was rejecting his graft and the process could not be reversed by the usual means. Within 36 hours after initiation of blood irradiation, the rejection process was turned around.

Associated in the study were H. M. Lee, Fearghus T. O'Foghludha, and David M. Hume.

Robert Hoehn and Richard L. Simmons of the College of Physicians and Surgeons, Columbia University, found that when immunosuppressive drugs are combined with anti-lymphocyte serum, results are improved.

Bernard S. Linn and Frank Gollan of the Veterans Administration Hospital, Coral Gables, Fla., and the University of Miami, said safer immunosuppression was obtained in dogs through use of a non-toxic drug, epsilon-aminocaproic-acid (EACA) and the steroid, prednisolone.

Use of a radioactive material to attack the lymphocyte prolonged the survival time of transplanted kidneys in animals, two researchers from the University of California Medical Center at Los Angeles reported Wednesday.

The substance, radioactive Chloromerodrin HG-203, was given intravenously to dogs following renal transplantation. Since Chloromerodrin concentrates mainly in the kidney tubule, it is believed to exert an ionizing effect similar to external radiation which has been used in the past to suppress the rejection phenomenon.

The approach represents the latest of numerous attempts that have been made to attack the lymphocyte, or the immunocyte, as it has recently been called. Antimetabolites such as Imuran, corticosteroids and anti-lymphocytic sera have been used. Rats depleted of lymphocytes by thoracic duct drainage will accept, almost permanently, skin grafts from inbred rats of the same colony.

"However, ionizing radiation has probably the most direct and potent effect on the lymphocyte," the authors, Donald F. Williams and Arthur E. Schapiro point out. "Total and sub-total body radiation produces a profound lymphopenia (decrease in lymphocytes). However, there are severe untoward systemic effects."

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## Anti-Lymph Serum Helps Transplant of Kidney

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Several investigators have shown that local radiation to the kidney will prolong functional survival without producing any loss in ability to counteract infection. One investigator has shown that yttrium-90, a high energy radioisotope, could produce lymphopenia when implanted in the artery.

With this background, the authors decided to use Chlormerodrin on 18 animals. Pathological examination of the kidneys revealed less lymphocyte concentration in these animals than in the controls.

A leukocyte typing method has been used to select compatible donors for skin and kidney transplantation. White cells from 12 members of three families were typed. Skin grafts were exchanged between "compatible" and "incompatible" individuals. Kidneys were transplanted from four compatible sibling donors.

### Second Experiment

In a second experiment, 30 healthy unrelated students were typed by white blood cells and arranged according to the overall number of compatibilities. From these, 16 were selected for skin grafting exchange.

B. G. Hattler of Duke University said in all four kidney transplants, the results have been excellent as determined by the patient's return to work and continuing good kidney function.

Of the 27 skin grafts exchanged, excellent agreement between antigenic similarity and graft survival was obtained. Sixteen grafts were between incompatible subjects and 11 between compatible. The 16 incompatible grafts were all rejected before any of the 11 compatible grafts were destroyed. In most compatible members, graft survivals up to 26 days were recorded.

With grafts exchanged between unrelated individuals, there was no correlation of graft survival with overall number of compatibilities.

Associated with Dr. Hattler in the study are P. Hutchin, C. M. Zmijewski, D. B. Amos, and Delford L. Stickel.

A special formula for intravenous fluid therapy which allows for the maintenance of a "normal circulation blood volume" even during operations lasting four to six hours was outlined Wednesday by Antonio Boba, department of anesthesiology, Albany (N.Y.) Medical College.

The formula depends on an "artificial loading" of the extra-cellular fluid space in such a manner that the excess of fluid that is infused eventually spills back into the plasma space and a "normal blood volume" is thereby maintained.

It is maintained even during procedures leading to a loss of blood equal to 55% of the preoperative volume.

The formula was employed in 34 patients with excellent results, Dr. Boba said. The operations include 15 radical breast operations, 11

## Four-Way Operation to Save Sick Heart

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short, the free omental tissue sets up the collateral blood circulation needed to feed the heart muscle.

Dr. Vineberg's team has done this triple-phased operation in 120 patients. His results: "There has been 90% improvement in the series with objective evidence of reduction of heart size and of left ventricular failure."

But Dr. Vineberg was still not satisfied. What about the right side of the heart that also was being starved? He thought, perhaps naturally, of the right mammary artery. At first the implantation of it to the heart "seemed to be an impossible technical feat." But to his surprise, "it has proved to be relatively easy in both dogs and in man."

In response to a reporter's question, Dr. Vineberg explained that he was at first concerned that the front of the chest might then become starved for blood, with its two major arteries diverted. In fact, he said, this is what happened in his trials on dogs. But dogs' chests are not as amply supplied with blood as are men's. If both mammary arteries are taken away in man, other vessels in the area furnish an ample supply of blood.

Now Dr. Vineberg has a total approach. In his four-way operation he strips the "skin" off the heart, diverts one, then the other, mammary artery to it, and then takes patches of

omentum from the intestines and puts them on the heart.

All of this, he explained, is done through the same opening on the left side of the chest through a space otherwise occupied by a rib.

Asked if he considered this an heroic kind of operation, Dr. Vineberg replied, "No, it's actually mundane, simply the application of old and well-tested procedures." Still, the operation is a long one, lasting usually about four hours. How long it takes, he explained, depends on the condition of the patient. "If the blood is only trickling through the coronary arteries when we begin, we wait a half hour or so, until the blood builds up a bit, before we proceed to the next stage."

Further, he pointed out, the entire procedure is done with the heart beating and without the help of a heart-lung machine. As he expresses it, "The patient walks in on his own arteries and walks out on his own arteries."

Thus far he has performed his four-way procedure in eight patients, all this year. Six are pain-free after months, two were just operated on. The post-op hospitalization is "two weeks for Montreal resident patients, three weeks for patients who live elsewhere."

To Dr. Vineberg, surgery offers the best hope for the too-popular killer of middle-aged men in this country, coronary artery disease. At least until some sort of preventive is found.



Preston A. Wade (center) chats with (l) Newell W. Philpott, Montreal. To their left attending to lunch is Warren H. Cole, Chicago. Both Dr. Cole and Dr. Philpott are former A.C.S. presidents. Dr. Wade is chairman of the Regents.

major pelvic procedures, five major orthopedic procedures and three others. Operating time varied from less than three hours to more than five hours. Measured blood loss varied from 200 milliliters to 1800 milliliters, which represented 6 per cent to 58 per cent of the initial volume. Fluid therapy varied from 1000 milliliters to 6,925 milliliters.

As to the diminution of red cells through blood loss, Dr. Boba pointed out it has been known for a long time that the concentration of red cells (or degree of anemia) varies from individual to individual. Further, it is known that forms of iron deficiencies anemias and in many forms of leukemias very marked degrees of anemias may be tolerated and in fact may be compatible with an active life.

Use of electrically-charged stainless steel

wire as sutures greatly increases the opening of small arteries that are joined together.

John A. Dormandy and Robert H. Goetz of Albert Einstein College of Medicine, Bronx, said 100% patency was obtained with vessels of 2-3 mm. diameter. In vessels below 2 mm. in external diameter, where silk sutures caused a clot, negatively charged wire resulted in 40% patency.

When the stainless steel monofilament wire itself was used without a charge, results fell between those of the silk and those of charged wire. It could therefore appear, the authors said, that some of the improvement obtained with the charged wire is due to the wire itself, rather than the charge.

They said important clinical applications of the technique lie in the field of coronary, cerebral artery and transplantation surgery where the patency of small caliber vessels has vital significance.



Janak R. Talwar, New Delhi, Sunder D. Grover, Rangoon, Burma, Santokh Singh, Edmonton, Alb., and Irving Etkind, New York, take a stroll after the Skoog oration, Tuesday.



# The Initiates, American College of Surgeons, Class of 1966

The 1,356 surgeons listed hereafter are candidates for initiation tonight as Fellows of the American College of Surgeons. Their acceptance as F.A.C.S. is subject to final review and confirmation by the Board of Regents this morning. Approximately 900 of the total number of Initiates will take part in the Convocation at 8:30 in the Arena at the Civic Auditorium.

Tickets are required. They are available upon request at the Central Registration Desk in the Civic Auditorium.

## UNITED STATES

### Alabama

Alan R. Dimick ..... Birmingham  
Robert L. Dorrough ..... Montgomery  
Gerald P. Falletta ..... Birmingham  
Julius N. Hicks ..... Birmingham  
Wilfred F. Holdefer ..... Birmingham  
Robert T. L. Long ..... Russellville  
Holt A. McDowell, Jr. .... Birmingham  
Jasper D. Moore ..... Selma  
Joe W. O'Neal ..... Tuscaloosa  
Julius Pryor, Jr. .... Montgomery  
William C. Smith ..... Selma  
Guy B. Wilder, Jr. .... Decatur

### Arizona

Jean Angelchik ..... Phoenix  
Daniel B. Carroll ..... Phoenix  
Malcolm F. Dorfman ..... Scottsdale  
Seneca L. Erman ..... Tucson  
Donald D. Ewing ..... Tucson  
Stephen E. Flynn ..... Phoenix  
Keith H. Harris ..... Phoenix  
William F. Holsey, Jr. .... Tucson  
Donald E. Lee ..... Phoenix  
Donald B. Lewis ..... Tucson  
Don W. Longfellow ..... Phoenix  
Maxwell S. MacCollum ..... Phoenix  
Robert L. Nelson ..... Scottsdale  
Rex A. Peterson ..... Phoenix  
Wendell B. Whitacre ..... Tucson  
James C. Wootton ..... Mesa

### Arkansas

Leonard R. Bogaev ..... Jonesboro  
Robert M. Bransford ..... Texarkana  
Samuel E. Landrum ..... Fort Smith  
Harold H. Mings ..... Fort Smith  
James J. Pappas ..... Little Rock  
Mose Smith III ..... Little Rock

### California

Richard P. Alexander ..... Sunnyvale  
Barrett C. Andersen ..... San Jose  
Francis W. Andreassen ..... San Mateo  
Joseph T. Anzalone ..... Santa Cruz  
Sanford H. Anzel ..... Santa Ana  
Joseph J. Bahuth ..... Reseda  
Richard A. Braun ..... Panorama City  
George E. Cobb ..... Lafayette  
Abraham T. K. Cockett ..... Torrance  
H. Duane Collier ..... Burlingame  
John K. Colwell ..... Los Gatos  
John R. Crew ..... San Francisco  
Roberto A. Cueva ..... Anaheim

Edmund T. Dombrowski, Jr. .... Redlands  
Christopher C. Dotson, Jr. .... Los Angeles  
Charles R. Downs ..... Anaheim  
William E. Dozier ..... Sacramento  
Elwin M. Dunn ..... Orange  
Philip P. Ernstrom ..... San Jose  
Epifanio E. Espinas ..... Duarte  
Juan Espinel ..... Pomona  
Martin A. Flynn ..... Pasadena  
Eric W. Fonkalsrud ..... Los Angeles  
Albert Frischknecht ..... Lynwood  
Miguel A. Garcia ..... Covina  
L. Dean Gibson ..... San Diego  
Robert L. E. Gilmer ..... Ridgecrest  
Arthur L. Gore ..... Los Angeles  
Arthur Grayson ..... Redondo Beach  
Elwood C. Greist, Jr. .... Livermore  
John B. Griffin ..... Pittsburg  
Ernest B. Haws ..... Fresno  
Donald T. Hayashi ..... San Francisco  
Robert M. Hermann ..... Stockton  
Mason Hohl ..... Beverly Hills  
David J. Hosbein ..... Grass Valley  
Richard K. Howard ..... Modesto  
Edward J. Hurley ..... Palo Alto  
Wilfred M. Huse ..... Loma Linda  
William Hyman ..... Long Beach  
William S. T. Jackson ..... Oakland  
Jack Jew ..... San Francisco  
Philip D. Jewel ..... Fremont  
George L. Juler ..... Long Beach  
Samuel Kais ..... San Jose  
John C. Kennady ..... Los Angeles  
Sam T. Knappenberger ..... San Bernadino  
Samuel Kobrinsky ..... Fontana  
George W. Lampros ..... San Jose  
Michael W. Lau ..... Los Angeles  
George G. Lindesmith ..... Los Angeles  
Philipp M. Lippe ..... San Jose  
Harvey N. Lippman ..... Los Angeles  
Rolland C. Lowe ..... San Francisco  
Julius S. Margoles ..... Panorama City  
Robert D. Marten ..... Walnut Creek  
John T. McBurney ..... Anaheim  
Colin C. McDonald ..... Pomona  
Joel N. McNair ..... Santa Ana

Harold L. Melsheimer ..... Encino  
John Shelby Metcalf, Jr. .... San Francisco  
John A. Metheny ..... Oakland  
Andrew G. Mirov ..... Fremont  
Victor Morhaim ..... Los Angeles  
Martin L. Morris ..... Granada Hills  
Francis A. Munson ..... Martinez  
Julian S. Neistadt ..... Los Angeles  
Jose A. Nessim ..... Beverly Hills  
Leonard A. Neuman ..... San Diego  
Oliver Nichols ..... Los Angeles  
Paul H. Nieberding ..... Burlingame  
Edward D. Nissen ..... Anaheim  
Vincent S. O'Hara ..... Fresno  
Kenneth E. Orr ..... Riverside  
Christos A. Papatheodorou ..... Long Beach  
Douglas A. Person ..... Santa Cruz  
Arthur S. Petoyan ..... Granada Hills  
Louis H. Powers ..... La Jolla  
Glenn S. Rasmussen ..... Novato  
Raul E. Rodriguez ..... Costa Mesa  
G. Allen Rogers ..... Torrance  
Alan W. Rosenberg ..... Encino  
Donald W. Ross ..... Arcadia  
Norman J. Rubaum ..... Alhambra  
Philip S. Ryan ..... Panorama City  
David Sachs ..... Beverly Hills  
Laurence R. Schechter ..... San Rafael  
Frank S. Schiff ..... San Gabriel  
Thomas A. Schulkins ..... Encino  
George C. Scrimshaw ..... Oakland  
Robert S. Seipel ..... San Jose  
William E. Shinn ..... Stockton  
James F. Shipp ..... Santa Barbara  
J. Manny Shore ..... Los Angeles  
Richard A. Sinnott, Jr. .... Castro Valley  
Robert B. Small ..... Merced  
Charles R. Smart ..... Los Angeles  
Douglas F. Smiley ..... Los Angeles  
David F. Smith ..... Sacramento  
Eugene N. Smoley ..... Sacramento  
Francis A. Sooy ..... San Francisco  
Gray E. B. Stahlman ..... San Jose  
Arthur Stanten ..... Oakland  
Howard H. Stone ..... Beverly Hills  
Marshall P. Stonestreet ..... Anaheim  
Paul Teng ..... Long Beach  
George Thabit, Jr. .... Reseda  
Patrick A. T. Tripe ..... Panorama City  
Gilbert R. Turner ..... Upland  
Gilbert A. Webb ..... San Francisco  
Alfred B. Webber ..... Los Angeles  
Edwin J. Whitman ..... Hayward  
C. Fred Wilcox III ..... Stockton  
Byron C. Zaharias ..... Alamo  
Gerald Zatlin ..... Orange  
Gerald Zimmerman ..... Encino  
Joel Zisk ..... Beverly Hills  
Edward M. Zohman ..... Anaheim

### Colorado

Thomas D. Burleigh, Jr. .... Grand Junction  
Carlton M. Dean, Jr. .... Lakewood  
Tanous D. Faris ..... Denver  
John R. Gill ..... Denver  
Fred B. Groves ..... Greeley  
Richard R. Hansen ..... Fort Collins

## NOTICE TO INITIATES

Today between 9:00 a.m. and 5:30 p.m. those Initiates who don't already have their caps and gowns may obtain them from representatives of the E. R. Moore Co. in Rm. 316 at the Civic Auditorium. Initiates are urged to call for these regalia as early as possible.

After the Convocation rented regalia are to be returned to the Moore representatives in Larkin Hall at the Civic Auditorium.

Initiates are expected to assemble for rehearsal at 4:45 this afternoon in the Main Arena at the Civic Auditorium.

They are invited to attend the annual Meeting of the Fellows from 4:00 to 4:45, also in the Main Arena.



Richard J. Kemme ..... Greeley  
 Allan B. Kortz ..... Englewood  
 William K. Mangum ..... Greeley  
 Robert L. Rueb ..... Longmont  
 Richard G. Thompson ..... Colorado Springs

**Connecticut**

Marianne A. Beatrice ..... New Haven  
 John M. Brogden ..... Guilford  
 Michael A. Browne ..... Stamford  
 Leo Charendoff ..... Manchester  
 Larry Coletti ..... Norwich  
 Martin Dinep ..... New Britain  
 Vincent P. Donnelly ..... Bridgeport  
 James F. Donovan ..... Hartford  
 Kevin V. Dowling ..... Hartford  
 Stuart Falk ..... Bristol  
 MacEllis K. Glass ..... Bridgeport  
 William A. Gryboski ..... New Britain  
 Paul S. Norman ..... Manchester  
 Robert H. Orth ..... Stamford  
 Arnold D. Pearlstone ..... Fairfield  
 Irving I. Rosenthal ..... Hartford  
 Bernard Shapiro ..... Derby  
 Donald P. Shedd ..... New Haven  
 Christopher S. Speer ..... Hartford  
 Gerald O. Strauch ..... Stamford  
 Allan L. Toole ..... New Haven  
 Andrew S. Wong ..... New Haven  
 Hastings K. Wright ..... New Haven

**Delaware**

James M. Chase, Jr. .... Dover  
 George N. Eriksen, Jr. .... Wilmington  
 L. Mario Garcia ..... Wilmington  
 James R. McNinch ..... Dover

**District of Columbia**

Ernst H. Bremer ..... Washington  
 James M. Clements ..... Washington  
 William H. Dickson ..... Washington  
 John S. Dillon ..... Washington  
 I. Sidney Jaffee ..... Washington  
 Stanley M. Kirson ..... Washington  
 Thomas C. Lee ..... Washington  
 John W. McTigue ..... Washington  
 Leo B. Van Herpe ..... Washington

**Medical Corps, U.S. Air Force**

Col. John R. Archdeacon  
 Major Raymond K. Bopp  
 Major Thomas F. Camp, Jr.  
 Major Mark G. Carroll, Jr.  
 Major Byron N. Dooley  
 Lt. Col. John R. Greene  
 Major Clyde O. Hagood, Jr.  
 Major John J. Halki  
 Major Manuel J. A. Hinds  
 Major Eugene L. Komrad  
 Col. Jack R. Robison  
 Major Thomas J. Ryan  
 Major Ronald G. Severs  
 Capt. Ezra R. Singer  
 Major Herbert R. Zick

**Medical Corps, U.S. Army**

Lt. Col. George I. Baker  
 Lt. Col. Joseph H. Baugh  
 Major Iam P. Bhisitkul  
 Major Robert H. Buker  
 Lt. Col. Frank E. Ceccarelli, Jr.  
 Capt. Alvin M. Cotlar

Major Thomas H. Danaher  
 Major LeRoy G. Druipple  
 Major James T. Gillespie  
 Lt. Col. William M. Hammon  
 Major John M. Krouse  
 Lt. Col. Bennett M. K. Lau  
 Major Teruo Matsumoto  
 Lt. Col. Harry W. McCurdy  
 Major Edwin C. McDaniel  
 Major Robert E. Neimes  
 Major Robert C. Newell  
 Major Basil A. Pruitt, Jr.  
 Lt. Col. John R. Simmons  
 Major Norman D. Sower  
 Lt. Col. Robert G. Stanek  
 Lt. Col. Robert M. Zone

**Medical Corps, U.S. Navy**

Lt. Com. Henry A. Baer  
 Lt. Com. James L. Beeby  
 Lt. Com. Charner W. Bramlett  
 Com. James A. Coulter  
 Capt. Donald L. Custis  
 Lt. Com. Mitchell Edson  
 Com. Richard M. Escajeda  
 Lt. Com. Clinton H. Lowery  
 Com. John R. Lukas  
 Lt. Com. Richard W. Martin  
 Com. James S. Maughon  
 Lt. Com. John R. Reynolds  
 Lt. Com. Francis E. Senn, Jr.  
 Lt. Com. Gerald Weitzman

**U.S. Public Health Service**

Robert C. Hoye  
 George L. Irvin III  
 Otto L. Loehden  
 John E. Manire  
 Robert E. Stam  
 Joseph M. Torruella  
 James D. Tovey

**Florida**

R. Huston Babcock ..... St. Petersburg  
 James S. Bates, Jr. .... Hollywood  
 Frank J. Beasley ..... Fort Lauderdale  
 Alan B. Cohen ..... Coral Gables  
 Donald M. Dooley ..... Coral Gables  
 Wesley B. Elstun ..... Tampa  
 Gilbert R. Friedman ..... Miami Beach  
 Thurman Gillespy, Jr. .... Daytona Beach  
 Charles A. Gilpin ..... Miami  
 Harold K. Golder ..... Melbourne  
 James W. Grossnickle ..... Stuart  
 H. Quillian Jones, Jr. .... Fort Myers  
 Herbert S. Kaiser ..... Miami  
 John G. Maclure ..... North Miami  
 Edward B. Mazaleski ..... Boca Raton  
 William C. Mitchell ..... Winter Park  
 Joseph J. Nixon ..... Winter Park  
 David A. Ohlwiler ..... Winter Park  
 Robert L. Parsons ..... Orlando  
 Voris R. Payne ..... Bradenton  
 Richard E. Perry ..... St. Petersburg  
 David S. Rasmussen-Taxdal ..... Winter Haven  
 Murray D. Sigman ..... West Palm Beach  
 M. David Sims ..... South Miami  
 Joseph H. Sloss ..... Bradenton  
 Freddie A. Smith ..... Tampa  
 Manuel L. Soto ..... Belle Glade  
 Thomas A. Stanford ..... Orlando  
 George T. Stevens, Jr. .... Fort Lauderdale

John W. Stone ..... Lakeland  
 Robert S. Tolmach ..... Miami  
 Edward S. Truppmann ..... North Miami Beach  
 Hugh S. Unger ..... North Miami Beach  
 Bruce E. Walton ..... Gainesville  
 Sherwyn L. Weiss ..... Hialeah  
 Douglas E. Williamson ..... Venice  
 Creighton L. Wilson ..... Miami

**Georgia**

Marshall B. Allen, Jr. .... Augusta  
 J. Hagan Baskin, Jr. .... Atlanta  
 Fred M. Bell, Jr. .... Atlanta  
 John T. Blasingame, Jr. .... Atlanta  
 Boyce S. Brice ..... Rome  
 Fernando U. Duralde ..... East Point  
 Henry T. Edmondson, Jr. .... Augusta  
 Catherine E. Foster ..... Decatur  
 Ronald F. Galloway ..... Augusta  
 Carl R. Hartrampf, Jr. .... Atlanta  
 William M. Headley ..... Milledgeville  
 J. Lamar King ..... Griffin  
 James F. Kirkpatrick, Jr. .... Tifton  
 James D. Lawrence ..... Macon  
 Edmund M. Molnar ..... Columbus  
 James W. Morgan ..... Atlanta  
 Archie J. Morris ..... Montezuma  
 Robert A. Parrish, Jr. .... Augusta  
 William J. Pendergrast ..... Atlanta  
 Clarence W. Rawson, Jr. .... Savannah  
 Harvey L. Simpson, Jr. .... Americus  
 Richard A. Smith ..... Atlanta  
 Peter C. Sotus ..... Chamblee  
 H. Harlan Stone ..... Atlanta  
 Cheng-Tsuau Su ..... Savannah  
 Panagiotis N. Symbas ..... Atlanta  
 Charles B. Thomas ..... Newnan  
 L. G. Walker, Jr. .... Atlanta

**Hawaii**

Frank S. Akamine ..... Honolulu  
 Edward L. S. Jim ..... Honolulu  
 Hideo Oshiro ..... Honolulu  
 Clarence S. Sakai ..... Honolulu

**Idaho**

Quentin E. Howard ..... Boise  
 H. Kent Staheli ..... Pocatello  
 Warren T. Sutton ..... Idaho Falls

**Illinois**

George W. Allen ..... Chicago  
 Robert G. Anderson ..... Glenview  
 Leon G. Atherton ..... Peoria  
 Robert I. Barickman, Jr. .... Chicago  
 Charles V. Barrett ..... Evanston  
 John J. Barrett ..... Park Ridge  
 Melvyn A. Bayly ..... Chicago  
 Allan G. Bennett ..... Carbondale  
 Bruce R. Bodell ..... Chicago  
 Robert H. Borkenhagen ..... Homewood  
 Otto Bouc, Jr. .... Mount Prospect  
 Thomas J. Burke ..... Aurora  
 Richard O. Burns, Jr. .... Hinsdale  
 Bradley W. Carr ..... Chicago  
 Robert A. Conklin ..... Bloomington  
 Merle F. Crossland ..... Quincy  
 George G. Curl ..... Oak Park  
 Stefan A. Dekowski ..... Homewood  
 David L. Doud ..... Normal  
 Joseph Lloyd D'Silva ..... Chicago



Miriam D. Eubank ..... Evanston  
 L. Penfield Faber ..... Chicago  
 E. Robert Felix ..... Oak Park  
 Lionel W. Ganshirt ..... Lake Forest  
 Irwin Harris ..... Deerfield  
 Brian H. Huncke ..... Glen Ellyn  
 H. Dean Jones ..... Rockford  
 William T. Kamp ..... Flora  
 Lowell R. King ..... Chicago  
 Roland A. Kowal ..... Oak Park  
 John C. Kukral ..... Chicago  
 David P. Largey ..... Carlinville  
 Charles J. Magee ..... Oak Park  
 James H. Mason ..... Skokie  
 Mays C. Maxwell ..... East St. Louis  
 Andrew Mayer ..... Chicago  
 William A. McNichols, Jr. .... Dixon  
 Denes Orban ..... Chicago  
 Burt B. Paulin ..... Coal Valley  
 Edward V. Quartetti ..... Glen Ellyn  
 Woodrow L. Pickhardt ..... Chicago  
 Anthony J. Raimondi ..... Chicago  
 Oliver V. Renaud ..... Chicago  
 Louis P. River III ..... River Forest  
 Stuart S. Roberts ..... Chicago  
 Robert E. Rosenzweig ..... Highland Park  
 Roger A. Rovelstad ..... Streator  
 Burton A. Russman ..... Chicago  
 Shahan K. Sarrafian ..... Chicago  
 Louis F. Scaramella ..... Chicago  
 Lionel J. Schewitz ..... Chicago  
 Hugh A. Smith ..... Broadview  
 John H. Smith ..... Rockford  
 Angelo J. Spinazzola ..... Evergreen Park  
 Warren H. Staley ..... Chicago  
 Nelson H. Stone ..... Chicago  
 Richard A. Tarizzo ..... Joliet  
 George B. Thow ..... Urbana  
 Marvin F. Tiesenga ..... Oak Park  
 Eli Tobias ..... Chicago  
 Levon K. Topouzian ..... Chicago  
 Justin D. Whelan, Jr. .... Waukegan  
 Enrique T. Yap ..... Metropolis

**Indiana**

Melvin D. Cook ..... New Albany  
 E. Dale Habegger ..... Indianapolis  
 Robert P. Inlow ..... Shelbyville  
 Russell L. Judd ..... Indianapolis  
 John F. Lawler ..... Evansville  
 Lawrence J. Lawson ..... Muncie  
 Rafael Macias ..... South Bend  
 Rodney A. Mannion ..... Michigan City  
 Wayne S. Miller ..... Huntington  
 Edward A. Mladick ..... Michigan City  
 John E. Moenning ..... Greenfield  
 Robert M. Palmer ..... Indianapolis  
 Eudell G. Paul ..... Munster  
 Nicholas L. Polite ..... Hammond  
 Jack K. Riner ..... Indianapolis  
 Robert R. Shugart ..... Fort Wayne

**Iowa**

Edward J. DeLashmutt ..... Fort Madison  
 Kazem Fathie ..... Cedar Rapids  
 David W. Furnas ..... Iowa City  
 Lewis B. Harned ..... Waterloo  
 William R. Hornaday, Jr. .... Des Moines  
 Mark A. Immergut ..... Iowa City  
 William R. Meyer ..... Clinton  
 Nicholas P. Rossi ..... Iowa City

**Kansas**

Henry J. Biermann ..... Wichita  
 Wallace F. Cox, Jr. .... Kansas City  
 William C. Dreese ..... Halstead  
 Dean T. Gettler ..... Fort Scott  
 M. Martin Halley ..... Topeka  
 Cline D. Hensley, Jr. .... Wichita  
 W. Stewart Hiatt ..... Shawnee Mission  
 Herman H. Jones, Jr. .... Kansas City  
 Sammy H. Kouri ..... Wichita  
 Wendale E. McAllister ..... Great Bend  
 George E. Miller, Jr. .... Salina  
 Wendell K. Nickell ..... Topeka  
 G. Rex Stone ..... Manhattan

**Kentucky**

Berel L. Abrams ..... Louisville  
 John M. Allen ..... Lexington  
 Lester R. Bryant, Jr. .... Lexington  
 E. Dean Canan ..... Louisville  
 Robert D. Eastridge ..... Lebanon  
 Martyn A. Goldman ..... Louisville  
 Robert A. Hall ..... Paintsville  
 William H. Hosbach ..... Paducah  
 Loren J. Humphrey ..... Lexington  
 E. Truman Mays ..... Louisville  
 James E. Ross ..... Lexington  
 Harry D. Stambaugh ..... Louisville  
 Paul M. Weeks ..... Lexington

**Louisiana**

Harold M. Albert ..... New Orleans  
 Charles D. Alford ..... Hammond  
 Albert L. Bicknell ..... Shreveport  
 Salvatore J. Danna ..... Shreveport  
 Anthony Failla ..... New Orleans  
 Harry E. Fair, Jr. .... Shreveport  
 Jack H. Keeling ..... Monroe  
 Derald G. Kellett ..... Shreveport  
 Francis E. LeJeune, Jr. .... New Orleans  
 Martin S. Litwin ..... New Orleans  
 George D. Lyons ..... New Orleans  
 Norman C. Nelson ..... New Orleans  
 Mims G. Ochsner ..... New Orleans  
 Roy A. Regan ..... Baton Rouge  
 Blanchard H. Texada, Jr. .... Alexandria  
 Arthur Vidrine, Jr. .... Lafayette  
 Jack L. Winters ..... Marrero  
 Eugene F. Worthen ..... Monroe

**Maine**

James L. Fife ..... Brunswick  
 Clement A. Hiebert ..... Portland  
 Carlton E. Swett ..... Skowhegan

**Maryland**

Joseph Bloom ..... Silver Spring  
 Paul G. Cayaves ..... Salisbury  
 John W. Clark ..... Hagerstown  
 H. Douglas Cooper ..... Salisbury  
 John J. Donoghue ..... Hagerstown  
 George G. Finney, Jr. .... Baltimore  
 James P. Gallaher ..... Salisbury  
 C. Barton Galloway ..... Baltimore  
 Chester Z. Haverback ..... Bethesda  
 Stephen A. Hegedus ..... Perry Point  
 William F. Krone, Jr. .... Annapolis  
 Joseph S. McLaughlin ..... Baltimore  
 Ira Miller ..... Bethesda  
 Neil Novin ..... Baltimore  
 Earl R. Paul ..... Cumberland  
 G. Edward Reahl, Jr. .... Baltimore

John M. Rehberger ..... Baltimore  
 William B. Rever, Jr. .... Baltimore  
 Lee H. Riley, Jr. .... Baltimore  
 William P. Sadler ..... Salisbury  
 Marcus D. Stephanides ..... Salisbury  
 Adam F. Szczypinski ..... Baltimore  
 Baltasar B. Velez ..... Baltimore  
 Clarence S. Weldon ..... Baltimore

**Massachusetts**

Robert L. Berger ..... Boston  
 Anthony A. Bernardo ..... Fall River  
 David Blumen ..... Brookline  
 Henry Brown ..... Boston  
 Frederick O. Buckley ..... Peabody  
 Sante M. Caldarola ..... Springfield  
 Robert W. Clubb ..... Boston  
 Nathan P. Couch ..... Boston  
 Eugene H. Courtiss ..... Newton Lower Falls  
 Lon E. Curtis ..... Boston  
 Robert V. Dandrow, Jr. .... Boston  
 Donald P. Dressler ..... Cambridge  
 James H. Eldredge ..... Hyannis  
 Raymond W. Gibbs ..... Boston  
 Ernest Grable ..... Boston  
 Harold L. Greenberg ..... Boston  
 James M. Hannum ..... Brockton  
 John M. Head ..... Boston  
 Stephen J. Healey ..... Boston  
 Zolman Helfand ..... Brookline  
 Charles Hoffman, Jr. .... Williamstown  
 John T. Howard ..... Worcester  
 William L. Jenney ..... New Bedford  
 Wallace M. Kemp ..... Norwell  
 Denis W. King ..... Lowell  
 Clinton N. Koufman ..... Brookline  
 Harvey Liberman ..... Attleboro  
 Barry M. Manuel ..... Stoneham  
 Donald O. Murray ..... Brockton  
 Robert A. Newton ..... Boston  
 Alfred J. Nicholson ..... Norwood  
 John C. Norman ..... Boston  
 Peter Oliver ..... Boston  
 Edward T. Rafferty ..... Lynn  
 Walter H. Riester ..... Wakefield  
 Rosario A. Scandura ..... Medford  
 Jules M. Seletz ..... Newton Lower Falls  
 Jacob B. Shammash ..... Springfield  
 Henry St. John Smith ..... Fitchburg  
 Phillip W. Smith ..... Fall River  
 Stephen B. Smith ..... Brookline  
 Zenon P. Szlyk ..... Webster  
 Charles P. Vallis ..... Lynn  
 Malcolm C. Veidenheimer ..... Boston  
 James A. Whelton ..... Boston  
 Michael Wiedman ..... Malden  
 R. Lewis Wright ..... Boston  
 Robert H. P. Yuan ..... Boston

**Michigan**

George D. Alger ..... Grand Rapids  
 Morris Arnkoff ..... Detroit  
 John T. Beuker ..... Birmingham  
 Philip M. Binns ..... Grosse Pointe Woods  
 Robert D. Burton ..... Grand Rapids  
 Gerald E. Butler ..... Ann Arbor  
 Richard L. Collier ..... Detroit  
 Thomas A. Cresswell ..... Saginaw  
 Francis T. Day ..... Grosse Pointe  
 Victor F. Doig ..... Detroit  
 John E. Doolittle ..... Niles



Frederick A. Doornbos ..... Grand Rapids  
 Benjamin W. Dovitz ..... Detroit  
 Arthur B. Eisenbrey ..... Detroit  
 Saeed M. Farhat ..... Ann Arbor  
 Marion S. Ferszt ..... Livonia  
 Charles F. Frey ..... Ann Arbor  
 Ray D. Gaines ..... Eloise  
 Milton M. Green ..... Southfield  
 John M. Hartzell ..... Detroit  
 Edward J. Helbing, Jr. .... Holland  
 Louis Helder ..... Grand Rapids  
 Edmond Henelt ..... Hillsdale  
 Alexander E. Hlivko ..... St. Clair  
 Richard W. Hodgman ..... Kalamazoo  
 David J. Horning ..... Grand Rapids  
 Howard Jacobs ..... Detroit  
 Harry Koenig ..... Ishpeming  
 Eric T. Lincke ..... Marquette  
 Robert J. Lucas ..... Detroit  
 Robert C. Mahaney ..... Holland  
 Murray S. Mahlin ..... Detroit  
 William R. Olsen ..... Ann Arbor  
 David A. Penner ..... Detroit  
 Stewart E. Pursel ..... Detroit  
 William F. Reus, Jr. .... Grand Rapids  
 August R. Roty, Jr. .... Kalamazoo  
 Courtland M. Schmidt ..... Ann Arbor  
 Edward J. Treisman ..... Detroit  
 Jeremiah G. Turcotte ..... Ann Arbor  
 George J. Viscomi ..... Dearborn  
 Vollrad J. von Berg ..... Detroit  
 J. Keith Welborn ..... Detroit  
 Robert F. Wilson ..... Detroit  
 Joseph J. Woods ..... Detroit  
 Donald F. Woomer ..... Saginaw  
 Arthur B. Yull ..... Port Huron

**Minnesota**

Clyde E. Blackard ..... Minneapolis  
 John B. Brainard ..... St. Paul  
 Frank T. Brown ..... St. Cloud  
 Arndt J. Duvall III ..... Minneapolis  
 Henry Gans ..... Minneapolis  
 Stanley M. Goldberg ..... Minneapolis  
 Anderson C. Hilding ..... Duluth  
 Owen W. Holm ..... Crookston  
 Thomas L. Huseby ..... St. Paul  
 Howard M. Levine ..... Minneapolis  
 David E. Martin III ..... Wabasha  
 Lowell F. A. Peterson ..... Rochester  
 Jack L. Pulec ..... Rochester  
 John L. Sander ..... Cambridge  
 Don P. Swensen ..... Duluth  
 John V. Thomas ..... Duluth  
 Carl B. Thuringer ..... St. Cloud  
 Robert B. Wallace ..... Rochester  
 Tiffany J. Williams ..... Rochester

**Mississippi**

Joel L. Alvis ..... Jackson  
 Julius A. S. Bosco ..... Pascagoula  
 Max L. Golden ..... Laurel  
 Edward M. Lowicki ..... Jackson  
 John F. Lucas, Jr. .... Greenwood  
 John M. McRae, Jr. .... Laurel  
 John W. Moore ..... Laurel  
 Otis B. Wooley, Jr. .... Jackson

**Missouri**

Arthur I. Auer ..... St. Louis  
 Gerald L. Behrens ..... Kirkwood  
 Leslie F. Bond ..... St. Louis

Elliot M. Braverman ..... Sedalia  
 Ned B. Chase, Jr. .... Joplin  
 Richard H. Fallon ..... St. Louis  
 Ross N. Giem, Jr. .... Sullivan  
 Peter B. H'Doubler ..... Springfield  
 Abraham Kaplan ..... Kansas City  
 Robert E. Kuhlman ..... St. Louis  
 Henry E. Lattinville ..... St. Louis  
 Jerome F. Levy ..... St. Louis  
 Arthur B. Lissner ..... St. Louis  
 Thomas H. McGuire ..... Kansas City  
 Moufid Mitri ..... Poplar Bluff  
 William W. Monafo, Jr. .... St. Louis  
 Paul S. Nussbaum ..... Cape Girardeau  
 George F. Rendleman, Jr. .... St. Louis  
 Edward M. Ring ..... Clayton  
 Glennon Schaefer ..... Clayton  
 Thomas A. Schneider ..... St. Charles  
 Joseph N. Tygett ..... Cape Girardeau  
 Ernest E. Weinand ..... St. Joseph  
 Earl J. Wipfler, Jr. .... St. Charles

**Montana**

Hugh V. Anderson ..... Great Falls  
 John W. Heizer ..... Billings  
 John W. McMahon ..... Helena

**Nebraska**

Dale E. Brett ..... Omaha  
 Stephen W. Carveth ..... Lincoln  
 Harold D. Dahlheim ..... Norfolk  
 Robert E. Hawkins ..... Omaha  
 Waldean C. McIntire ..... Omaha  
 Hans Rath ..... Omaha  
 John W. Smith ..... Omaha  
 William R. Weyhrauch ..... Lincoln

**Nevada**

Walter M. Tabar ..... Henderson

**New Hampshire**

Leland W. Hall ..... Hanover  
 Arthur Naitove ..... Hanover

**New Jersey**

Sariel G. G. Ablaza ..... Moorestown  
 Ralph Aloï ..... Union City  
 Henry C. Banks ..... Dover  
 Frank R. Begen ..... Teaneck  
 Jacob Berghuis ..... Upper Montclair  
 James J. Chandler ..... Princeton  
 Paul F. Crutchlow ..... Paterson  
 William J. Duffy ..... Maplewood  
 Jerrold M. Feigenbaum ..... Maplewood  
 Stanley S. Fieber ..... West Orange  
 Thomas L. Geib ..... Woodbury  
 John E. Hughes ..... Parsippany  
 Michael J. Hyland ..... Newark  
 John Insabella ..... Newark  
 Alexander D. Kovacs ..... Plainfield  
 R. Russell Lang ..... Hackensack  
 Robby Meijer ..... East Orange  
 Basil R. Meyerowitz ..... West New York  
 A. Mario Petrillo ..... Somerville  
 Walter M. Ryan, Jr. .... Neptune City  
 Joseph E. Salvatore ..... Englewood  
 Maximillian Schoss ..... Roselle  
 Robert W. Sherry ..... Bloomfield  
 James E. Thompson ..... Morristown  
 John P. Warter ..... Westfield  
 Robert B. Weimann ..... Camden  
 Joshua L. Weisbrod ..... Millburn

**New Mexico**

Lynn W. Abshere ..... Clovis  
 George C. Anison ..... Albuquerque  
 Norbert L. Dugan ..... Las Cruces  
 Wilfred A. Friedman ..... Santa Fe  
 Bernard Lerman ..... Albuquerque  
 Robert E. McComas ..... Las Cruces  
 W. Thomas Redfern ..... Roswell  
 Philip L. Shultz ..... Santa Fe  
 Robert S. Turner ..... Albuquerque

**New York**

Roland J. Adamsons ..... Brooklyn  
 James E. Allen ..... Buffalo  
 Fred Antonowich ..... Mount Kisco  
 Albin A. Bagdonas ..... Valley Stream  
 Gertrude A. Bales ..... Rochester  
 Jose M. Blanco ..... Brooklyn  
 Jerome H. Blumen ..... Brooklyn  
 Frederick O. Bowman, Jr. .... New York  
 Joseph A. Buda ..... New York  
 Gerald W. Buetow ..... West Islip  
 Albert R. Burchell ..... New York  
 Cyril T. M. Cameron ..... New York  
 Charles J. Campbell ..... New York  
 Francis Caponegro, Jr. .... Ridgewood  
 Richard R. Cappelletti ..... New Rochelle  
 Joseph G. Chanatry ..... Utica  
 Stanley D. Chovnick ..... Cobleskill  
 Howard Newton Christ, Jr. .... Bay Shore  
 Edward F. Conklin ..... New York  
 Joseph J. Conrad ..... Kingston  
 David R. Cooper ..... Niagara Falls  
 Joseph A. Crapotta ..... Jamaica  
 William L. Craver ..... Rochester  
 David B. Crawford, Jr. .... New York  
 Vincent R. De Angelis ..... Lindenhurst  
 Alexander M. De la Garza ..... Flushing  
 Donald W. Delahanty ..... Auburn  
 Raymond J. Donovan ..... Staten Island  
 Charles R. Dunbar ..... Manhasset  
 Julius S. Duncan ..... Brooklyn  
 Robert C. Dyson ..... Bronx  
 Donald Ellman ..... Manhasset  
 Howard Essner ..... White Plains  
 Irving M. Etkind ..... New York  
 Sol Feigman ..... Plainview  
 Frank Craig Fisher ..... Niagara Falls  
 Ira H. Friedman ..... New York  
 Gianfranco Frittelli ..... Syracuse  
 Cleo J. L. Froix ..... New York  
 Seymour Furman ..... Bronx  
 Burton Garfinkel ..... New Hyde Park  
 Franz E. Glasauer ..... Buffalo  
 Julian L. Glatt ..... Carmel  
 William L. Glazier ..... Gowanda  
 Howard J. Goldman ..... New York  
 Irving H. Goldman ..... Syracuse  
 George Goodman ..... Bay Shore  
 S. Ashby Grantham ..... New York  
 David G. Gregor ..... Watertown  
 Frank E. Gump ..... New York  
 Victor Halitsky ..... Hicksville  
 Giles B. Hamlin ..... Olean  
 Matthew N. Harris ..... New York  
 Richard U. Hausknecht ..... New York  
 Teruo Hirose ..... Bronx  
 John E. Hutchinson III ..... New York  
 Sidney Immergut ..... Brooklyn  
 John R. F. Ingall ..... Buffalo  
 Henri Janian ..... Endicott



Sidney Kaplan ..... Mount Vernon  
 John J. Kennedy ..... Schenectady  
 Rene A. Khafif ..... Brooklyn  
 Matthew C. C. Kim ..... Port Chester  
 Daniel W. King ..... Brooklyn  
 Henry J. Kinoshian ..... Ogdensburg  
 Zev Kohn ..... Bronx  
 Irwin H. Krasna ..... New York  
 Leo Krauss ..... Plainview  
 Isadore Kreel ..... New York  
 Burton A. Krumholz ..... Hicksville  
 B. Frank Labriola ..... Flushing  
 Dennis J. Lafer ..... Brooklyn  
 Benjamin E. Lanier ..... Brooklyn  
 James J. LaVine ..... Freeport  
 Irving Liebman ..... New York  
 Joseph P. Lortie ..... Rochester  
 Michael S. Mamakos ..... Huntington  
 Harold E. Marden, Jr. .... Albany  
 Saverio B. Mastrianni ..... Albany  
 Clyde E. Maxwell III ..... Waverly  
 Colin W. McCord ..... New York  
 John C. McDonald ..... Buffalo  
 George R. McGovern ..... Rochester  
 George P. Moront ..... Hudson  
 Michael J. Murphy ..... Endicott  
 David G. Murray ..... Syracuse  
 John P. Myers ..... Catskill  
 Francis B. O'Brien, Jr. .... Amityville  
 Milton Olf ..... Albany  
 Lin-Min OuYang ..... Rochester  
 John A. Pallotta ..... West Islip  
 Andrew H. Patterson ..... New York  
 Russel H. Patterson, Jr. .... New York  
 Benjamin B. K. Peng ..... New York  
 Bernard B. Perlman ..... Flushing  
 Lloyd C. Peters ..... Binghamton  
 Clay E. Phillips, Jr. .... Rochester  
 Anthony Paul Pirundini ..... Brooklyn  
 Henry W. Pletcher ..... Poughkeepsie  
 Norman A. Posner ..... Brooklyn  
 Allen H. Postel ..... New York  
 Don C. Prommas ..... Bronx  
 Anthony J. Rella ..... New York  
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Recognizing that the American College of Surgeons seeks to exemplify and develop the highest traditions of our profession, I hereby pledge myself, as a condition of Fellowship in the College, to live in strict accordance with all its principles and regulations.

I pledge myself to pursue the practice of surgery with scientific honesty and to place the welfare of my patients above all else; to advance constantly in knowledge; and to render willing help to my colleagues, regard their professional interest, and seek their counsel when in doubt as to my own judgment.

Upon my honor I hereby declare that I will not practice the division of fees, either directly or indirectly. I further promise to make my fees commensurate with the services rendered and with the patient's rights. Moreover, I promise to deal with each patient as I would wish to be dealt with were I in his position.

Finally, I pledge myself to co-operate in advancing and extending the ideals and principles of the American College of Surgeons.

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 Fritz Petersen ..... Barcelona  
 Duilio Pizzolante ..... Caracas

## Grafting of Skin

(Continued from Page 1)

cases are dramatic," Dr. Skoog said. "These general aspects of the burn have for many years caught the interest of scientists and promoted clinical research in this field."

However, he decried what he called "too little emphasis" on "the principles and surgical techniques necessary for tissue repair in burns."

Fortunately, he said, "the skin demonstrates a regenerative capacity, which offers exceptional possibilities for its recovery by grafting." Today's surgery "offers a variety of methods which allow us to reduce the very low figures of this formerly inevitable disability."

Dr. Skoog then skimmed off typical cases from his observations of 3,000 burns, almost a third of which were hospital cases. His main finding was that "full thickness burns need specialized surgical treatment. These figures also reflect the fact that with present methods



At Booth 214 in the Industrial Exhibition are (l-r) Exhibitors James W. Griffith and Ramsey Ewing discussing Lukens products with Shahane R. Taylor, Greensboro, N.C., and Steven M. White, Chapel Hill. Handsome tie is worn by L. Morgan Hale, Chapel Hill.

of treatment, deep burns require an average of at least three weeks preparation prior to grafting."

Then, he said, "Skin grafting should be ac-

## Fellows' Annual Meeting

Thurs., Oct. 13, 1966

4-4:45 p.m.

Civic Auditorium, Main Arena

*Initiates Invited*

complished as quickly as possible to reduce healing time, to prevent pain, and to minimize the dangers of infection and other complications.

"Like no other injury, the pain persists over a long period of time and affects the personality of the patient. Children particularly become frightened and bewildered.

"In this situation, sedatives are of no value and there is no relief until the wounds have been completely covered by skin grafts."